

## SEQUENCE LISTING

<110> Xu, Jiangchun  
 Stolk, John A.  
 Algata, Paul A.  
 Fling, Steven P.

<120> COMPOSITIONS AND METHODS FOR THE  
 THERAPY AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C5

<140> US  
 <141> 2001-04-03

<160> 215

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ttaaaaaaaca	tctgaacacgc	aaatgtccaa	tctgtatataa	aatagttaaa	ggtccaagtc	300
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cccctagcac	tccacgtttt	tctgaaaaaa	tctanacagg	ccctttttgg	gtacctaaaa	360
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gccagcctcc	tgcgatcaga	agagaccaat	cgaaaatgag	ggttcacan	tcacagctga	180
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gaggcctnag	gatgccaag	aaacactttt	gatccttga	aaactgtacc	aaggtaccgg	360
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cccaaaccct	ttctgcttct	gcccatcaca	agtgccacta	ccgccatggg	cctcactatc	240
tcctccctct	tctcccact	atttggcaag	aagcagatgc	gcattttgat	ggttgattg	300
gatgctgctg	gcaagacaac	cattcttgc	aaactgaaag	tanggganat	aagnaccacc	360
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 ccccgccccc tgccctccc ctggagccat gctgggcctt agcccggtc cctcgggg 180  
 ctccgcccac agcatgatgg ggcccagccc angggccgc ctcagcagga caccatcc 240  
 ccacccaggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagccatgg 300  
 agtccatgca tgagaaggc atgtcgacg acccgcgcta caaccagatg aaaggaatgg 360  
 ggtatcggtc agggggccat gctggatgg ggcccc 396

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 ctgcccccaag gcccccccg ccgctccagc gcccgcgc caccgcgc gccgcgcct 180  
 ctcccttagtc gcccgcatga cgaccgcgtc cacctcgac gtgcgcaga actaccac 240  
 ggactcagag gcccgcatca accgccagat caacctggag ctctacgcct cctacgtt 300  
 cctgtccatg tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaata 360  
 ctttcttac caatctcatg aggagaggaa acatgc 396

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 <212> DNA  
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<400> 8

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 aatataaaat gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180  
 aaaccaccca aatgaccaag gcatatatag tatttggagg aatcaggggg ttggaaaggag 240  
 tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtgttca tttagataaa 300  
 agtagaaggc acaggagagg tagcaaaggc caggctttc ttgggtttc ttcaaacata 360  
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 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgtatggag caaagtgc 180

ggatcatgta ccgcaagtcc tgtgcattcat cagcggcctg tctcatcgcc tctgccgggt	240
accagtccctt ctgctccccca ggaaactga actcagtttgcatcagctgc tgcaacaccc	300
ctctttgtaa cgggccaagg nccaaaaaaaaa gggaaagtt ctgnccctcgcc ccctcaggcc	360
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tttttttttn aaaaaaaangg gnnnnnntttt ttncccnnnn gggngggggg ggggnnnnnt	180
tttnaaanaaa aaaaaccnnaaa annnnngggg nnnannnaan nncccncccc naancnntaa	240
aaaannnggn aaaaanagggg ggnannnnn nnggggggna aaantttttt ttttttnaag	300
ggnnnnggnnaa aaaaantnnnn nntttttttt ttnnaanngg gnnaaaaaaaaaa aaaaaaaaaa	360
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atctataaat gcggtggcat cgacaaaaga accattgaaa aattttagaa ggaggctgct	180
gagatggaa agggctcatttgcgtatgccc tgggtcttgg ataaactgaa agctgagcgt	240
gaacgtggta tcaccatttgcgttatcttgcgttggaaatttgcgttgg agaccagcaa gtactatgtg	300
actatcatttgcgttggaaatccagg acacagagac tttatcaaaa acatgatttttgcgttgg	360
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gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtcctactt	180
gtttaaaaaaaaatgttatcttca agaatgttcttgcgttggactcttggaaacctttaaaggcaggt	240
atttcgggccc ttcctttca ggaatcttcc tgaagacatgttggccagtcga aggccagga	300
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ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta	180	
tgacaagcgg atcatcctct gggacatcgg ggtcccaac caggactacg aattccaggc	240	
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accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg	300	
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aaaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga	300	
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nnnaaanttt ttntnanan nnngggnaa aaaaaaaaaa aanaanggg gnnntnnggc	180	
ccnnnnnaaaa aaaannnnna annaancccc ccnnnnnnnc ccncnnnlnn ggaaananna	240	

aaacccccc cngggnnnn nnaaaaannc ccnggggnan ttttatnnn anncccccc  
 ccnggggggg gngaaaaaaa aaaantncc ccnannaaaa nnggggnccc cccntttnc  
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<210> 17  
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 <212> DNA  
 <213> Homo sapien

<400> 17  
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 gaagttttt tcttcgcagg attttctga gcctttacc actccagcct agcccttacc  
 ccccaactag gagggcactg gcccccaaca ggcatcaccc cgctaaatcc cctagaagtc  
 ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat  
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 aaantttntt ttntncttaa aaaaacccctn natntcacna ncaaaaaaaaaa cnattcccnc  
 ntncnntttg tgataaaaaaa aaaggcaatg gaattcaacn tancctaana aaactttnc  
 tgggaggaaaa aaaaattntt ccngggaaa cacttggggc tntccaaant gnancatnc  
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 ntgcctacnn cccataaaaaa aaacctcanc cntaan 396

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 ngaaaaaggn ctgggggnnt ctttacaaa aanggnncngg gncanntttg ggcttaaaa  
 ttcaaaaaagg gnnctcaaa ngggtttgca ttgcattgtt tcancnctaa anognangaa  
 naaaccncngg ngnccnctgg gaaaagttnt tnanctncca aaanatnaan tnttgnanc  
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ttggatcaat tgagtataag tagttcgctt tgactg	396	
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cttnnataac cctnaacacc cactccctct tanccaatat tgcctatt gccatactag	180	
tnttgccgc ctgcnaagca gngngggcc tanccntact agnctcaatc tccaaacacnt	240	
atggcctana ctacgtacat aacctaaacc tactcnaatg ctaaaaactaa tcnnccaaac	300	
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ggacagcaaa ggggtgagaa ggggctgagg gagaaaaagc caggaaactg agatcagcag	180	
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<400> 23

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aaaaaaatgt	cagacacaca	caaaagtaga	atagtaccat	ggagtccccca	cgtaccccagc	180
ctgcagcttc	aacagttacc	acatttgcCA	accggagaga	ctgccaaggc	aggaaaaaagc	240
cctggaaagc	ccacggcccc	tttttccctt	gggtcagagg	ccttagagct	ggctgccaa	300
gcagccaaacc	aaaggggcag	ctcagctcct	tcgtggcacc	agcagtgttc	ctgatgcagt	360
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<210> 24

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<213> *Homo sapien*

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<221> misc\_feature

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<223> n = A, T, C or G

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taagtataaa	tgaatttgca	taccaggtt	tacacttgca	tctctaata	agattaaaaaa	180
caacaaattg	gcctcttcct	aagtatatta	atatcattt	tccttacatt	ttatgcctcc	240
ccctaaat	atgactgagt	tggtgaaag	cgcttaggtt	ttattcatac	tgttttttgt	300
tctcaactc	aanagtaatc	tacctctgaa	aaatttntan	ttaatattn	nnnnnnagga	360
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ttaanacata tacaanaaga tgcttttcc tgtagtagaat gcaaactttt atattaagct	180
tctttgaatt ttccaaaatgt aaaataccaa ggcttttca catcagacaa aaatcaggaa	240
tgttcacctt cacatccaaa aagaaaaaaaaaaaaancc aattttcaag ttgaagttna	300
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ggacacctatc agccacatgc agatgttctc cgacatctac aagatccggg agatcgccga	180				
cgggttgtgc ctggaggtgg aggggaagat ggtcagtagg acagaaggta acattgatga	240				
ctcgctcatt ggtggaaatg cctccgctga aggccccgag ggcgaaggta cccgaaagca	300				
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<223> n = A,T,C or G					
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tattaanatt ncngctgnta aaaaaangaa tgaaccnnnc nanganaga nnttcatgg	240				
ggggnatgca tcgggnann ccnaanaacc ncggggccat tcccganagg cccaaaaat	300				
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<210> 28					
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<212> DNA					
<213> Homo sapien					
<220>					
<221> misc_feature					
<222> (1)...(396)					
<223> n = A,T,C or G					
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gatttgatat tttgcattt ttccctacgt tgcttggtaa atatatttgc ttctccttcc	240				
tgcaatcgac gtctgacagc tgattttgc tgtttgnca acntgacgtt tcaccttntg	300				
tttcaccant tctggaggaa ttgttnaaca ncttacanca ctgccttgaa naaannnnan	360				
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<210> 29					
<211> 396					
<212> DNA					
<213> Homo sapien					
<220>					

<221> misc_feature					
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<223> n = A,T,C or G					
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tgtgaatact gggaaagtga tttttttctc actcggtttt gttgctccat tgtaaaggc	240				
ggaggtcagt ctttagtgcc tttagatgtt cttttggcat ttaaatatttca taagagaatt	300				
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<211> 396					
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<220>					
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<223> n = A,T,C or G					
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tgttanaacg tgcattanac tcaaatacaa aaaccatgaa acaaatacacc atccttcaac	180				
aattttagca aagatagaat gcctaagaac aacatagatg gacttgaga ggatggctg	240				
ttttacttca agcnccataaa aaaaaaaaaa gagcncaaat gcattgggtt ttcagtnata	300				
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atnttaaaaaa atntgtant gtcaaaggaa tangaa	396				
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<223> n = A,T,C or G					
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gctgtggctc tgccatgccc ggctgtgttt gcagctgtcc gagtctccat ccgcctttag	180				
aaaaccagcc acttctttc ataagactg acagggccca gcccacagcc acaggtgcga	240				
tcagtgccctc acgcagccaa atgcactgaa acccaggggc acacncncgc agagtaaca	300				
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<211> 396					
<212> DNA					
<213> Homo sapien					
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<221> misc_feature
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<223> n = A,T,C or G

<400> 32
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aaagtcttat ctgaaattcc ttgtgaaaca gagtttcatac aaagccaatc caaaaggcct
atgtaaaaat aaccattctt gctgcacttt atgcaaataa tcaggccaaa tataagacta
cagtttattt acaatttgc ttaccaaaaa atgaggacta nagagaaaaa tggtgctcca
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180
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300
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396

<210> 33
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 33
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120
180
240
300
360
396
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnnnt
tttnnggggg gnttttnann gnannttnnn nttnnnnnna ancccnng ggnnggggg
nntnnnnnnng gnaaaaaaaan nnnnnggggn cnnnngggnc cncnccnan nnnnaaaann
nnnggntttt ttnnttttta aaaaaanngn nnnnaacaa aantttttn nnaantttttn
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<210> 34
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 34
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ganagagncc ctgagttgtga gaccacccctt ccccnctccc agcccccctt anttccccca
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tgttcntgaa ggctggcagt gatggggca agattggaa ctgcccattc tcccacagac
tgtnatgggt actgtggctc aaggnagtca cttcaatgt taccaccnnt gacaccaaaa
ggcggaccna nacagtgcna aagctgtgcc canngg 60
120
180
240
300
360
396

<210> 35
<211> 396
<212> DNA
<213> Homo sapien

<400> 35

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aaagactgtca caaccagttc ctccatTTTA tagaaggTTA ctcactccag gggaaatgg	180
gagtcctcca acctccctt caaccagtcc catcatccca accagtggta ccatagagca	240
gcaccccccgg ccaccctctg agccagtagt gccagcagtg atgatggcca cccatgagcc	300
cagtgtgac ctggcaccca agaaaaagcc caggaagtca agcatgcctg tgaagattga	360
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<210> 36	
<211> 396	
<212> DNA	
<213> Homo sapien	
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gctccaggtt gccacccctt ctcgcccagag ttagtggagtc ccggcttctg ctctccgtgg	240
cccatctgcc cacaattcgg gagaccacgg aggagatgtc gttgggggt cctggacagg	300
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<210> 37	
<211> 396	
<212> DNA	
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<223> n = A,T,C or G	
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ttgtgggtga tttttccagg agaagaagggt ttagattatg gaggtgttagc aagagaatgg	180
ttttttttt tgcacatgtc agtgttgcac ccaatgtatt gcctgtttga atatgcagg	240
aaggataact actgctgtca gataaaacccc gcttcttaca tcaatccaga tcacctgaaa	300
tatttcgtt ttattggcag atttattgc atggctctgt tccatggaa aattcataga	360
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<210> 38	
<211> 396	
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ctgcatttca ttgatttctaa gtgcacttt ttaccccat actgttaaca tatctgaaat	180
cagaatgtgt cttacaatca gtgatcggtt aacattgtga caaagttaa tggacagttt	240
tttcccatat gtatataata aataatgtgt ttacaatca gtggcttaga ttctgtgaaa	300
tacagtaatt cattcaattt tgatagtagtac ttacagaca tttaaaaat aagttatttt	360
tatatgctaa tattctatgt tcaagtgaa ttggaa	396
<210> 39	
<211> 396	

<212> DNA  
<213> Homo sapien

<400> 39

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ggctgcccgt	gtgtgtccac	acttcaggct	cttctccctt	cacaaccc	tgtggctcac	180
agaacccttg	gagccaatgg	agactgtctc	aagagggcac	tggtgccccg	acagcctggc	240
acagggcaag	tggcacaggg	catggccagg	tggccactcc	agaccctgg	ctttcactg	300
ctggctgcct	tagaaccttt	cttacattag	cagtttgctt	tgtatgcact	ttgttttttt	360
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<210> 40

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1), (396)

<223> n = A, T, C or G

<400> 40

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caaagattct	aggataCTgc	gagcaaATgg	ggtggaggGGG	tgctCTCCTG	actacAGaa	180
ggaatgatct	ggtggtaan	ataaaaacaca	agtcaaACTT	attcgagttg	tccacAGtca	240
gcaatggtga	tcttCTTgct	ggtttgcca	ttcctggacc	caaAGCgTC	catggcCTcc	300
acaatattca	tgccttCTT	cactttgcca	aacaccacat	gcttgcCATC	caaccactca	360
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<210> 41

<211> 396

<212> DNA

<213> *Homo sapien*

<220>

<221> misc feature

<222> (1), ., (396)

<223> n = A, T, C or G

<400> 41

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tgttctgtgt	gagaattttt	taaaaaggcta	cttgtataat	aaccctgtc	attttaatag	180
tacaaaacgc	tattaagtgg	cttagaattt	gaacattgt	ggtctttatt	tactttgctt	240
cgtgtgtggg	caaagcaaca	tcttccctaa	atatatatta	cccaaagnaa	aagcaagaag	300
ccagattagg	ttttgacaa	aacaaacagg	ccaaaagggg	gctgacctgg	agcagagcat	360
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<210> 42

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 42

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nnntnaggg ggggggttca aaaccaaang gnngntngga ngnaaannna aaantnnnn	180
gggggnanaa anaaaaaggg nngaaanntg acccnanaan gaccnngaaan cccggaaac	240
cnnnggntan anaaaaagnt ganccctaaa nnccccgna aaanggggga agggnaannc	300
caaatccnnt gngggtggg gnggggaaa anaaaaaccc cnaaaaantg naaaaaaccg	360
gngtnaaan atttgggttc ggggntttn nttaa	396

&lt;210&gt; 43

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 43

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tgcaactttaa gatgaactaa ctttggat tctcttcaaa gaaggaaagt attgctccat	180
ctgtgctttt ctanactaa aagcatactg canaaaactc tattttaaa atcaacactg	240
cagggtacag taacatagta aagtacctgc ctatttana atcctanaga acatttcatt	300
gtaagaaact agcccattat ttaagtgtcc acagtattt tcatttcant ggtccaagat	360
cccaagggtt ccaaacacaa tcttgttctc taatac	396

&lt;210&gt; 44

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 44

gacctagttt tacctcttaa atatctctgt tcccttctaa gttgtttgct gtgtttctt	60
cagagcaaga aggttatatt tttaaaatt tacttagtaa tgcacattca aaacacacat	120
caagtcttca ggataaaagt caaaaccgct gtcatggccc catgtgatct ctccctcccc	180
tacccctcta tcatttagtt tcttctgcgc aagccactct ggcttcctt cagtttgtg	240
gttcccgttt ttagctagtt cagtggttt caatggcat ttcttgccctt ttttttcta	300
aacgacaaat agaaatacat ctctttatt atcctccaaa tccaattcag aggtaatatg	360
ctccacctac acacaatttt agaaataaaat taaaaa	396

&lt;210&gt; 45

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 45

tttttttttt ttttaannt nttaaatttt taatgaaann ganttagaac aatgtattat	60
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gcnggccntt tatnagaana nnnnnccat aagacccat taagaagaat ctggatctaa	180
anacttncaa acaggagttc acagtangtg aacagcannc cctaattccca ctgatgtgat	240
gnntcanata aaatcancan cgnatgtcggnatcnanc aatntgancg gaanannact	300
gctcnatatn tttnagann cngatgtggt catttttac aaagataatg gccacaccct	360
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<210> 46	
<211> 396	
<212> DNA	
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<223> n = A,T,C or G	
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<210> 47	
<211> 396	
<212> DNA	
<213> Homo sapien	
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<222> (1)...(396)	
<223> n = A,T,C or G	
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cacaaccaca gccaggagca gcccctgcca ccactggcc accgtccagg gccccacagg	180
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tgagtgagga gccgcacccca cagtatcctg tgtaccccaa gttgcccagn aggccgagg	300
ggccttgggc tccatctgca ctggccaccc cgtgccaagc atcacagctg cgtgagcagg	360
tttgtgtgtg agcgtgtggc ggggcctgggt tgtccc	396
<210> 48	
<211> 396	
<212> DNA	
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<222> (1)...(396)	
<223> n = A,T,C or G	
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ccacagagag atactgcaca ctgacaaaga tggcgtatt actaaaggta aataaccagc	180
gcggggggca cgtggagtca ctggaacatt tgtcaatgc tggggaaat gtcacccgt	240
gcggccctct ggaataagcc tggcagctcc tccaagagtt acccggtgtga cccagcaatt	300
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<210> 49	
<211> 396	
<212> DNA	
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<221> misc_feature	
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ccatngnaan atttgcanaag gaggctgctg atatngggaa gggctccntc nantntgcct	180
gggttcttggg tnaactgaaa nctgancntg aacgtggnn caccattgtat atctncttgt	240
gaaaatntna gaccancann tactatgtta ctatcattga tgccccagga cacaganact	300
ttatcnaan catgattacn ngacatnta nagctgactg tgctngcctg attgtngctg	360
ctgggttgg tgaatttggaa nctggtatnt ccaana	396
<210> 50	
<211> 396	
<212> DNA	
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tgttattgt tactatggc attaactttt agaatttggg ctgggtgagat taattttttt	180
taatatccca gctagagata tggcctttaa ctgaccctaa gaggtgtgtt gtgatataat	240
tttttccctgt tccttttct tcagtaaacc caacaatagt ctaaccttaa aaatttggat	300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgtttt tcttgacat	360
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<210> 51	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 51	
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gaaaacattt ttattcacat aataatgngg ggctctgtct ctggccgacag gggctgggtt	180
cgggcattttt ctgtgcgtc gacaatagcc ccattcaccc cattcataaa tgctgtgt	240
acaggaaggg aacagcggct ctcccanaga gggatccacc ctggaaacacg agtcaccc	300
aaagagctgc gactgttga naatctgcca anagggaaaac cactcaatgg gacctggata	360

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<210> 52						
<211> 396						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
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gaaggcattc	ccatcaagag	caccatggac	aaccccacca	ccacccagta	tgccagcctc	180
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tatccctga	ttgtgattca	aatccaaacc	gaataagcca	ctctttggc	tccctgtgtc	360
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<210> 53						
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<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
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tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	120
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	180
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	240
ccttntttt	aattcanaaa	aagaanaaga	aanataana	nnnancnnan	nnnnnnnnatn	300
ntncttnata	ntnntnnnn	nanngggnnn	gcgagnnnnn	nnnnnnnnnnn	nntctnnnnnt	360
tnnnnnnnctt	gcncccttn	nntngnnnn	angcaa			396
<210> 54						
<211> 396						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
<400> 54						
ctcttggggc	tgctgggact	cgcgtcggtt	ggcgactccc	ggacgttaggt	agtttgg	60
gccgggttct	gaggccttgc	ttctctttac	ttttccactc	taggccacga	tgccgcagta	120
ccagacctgg	gaggagttca	gcgcgcgtgc	cgagaagctt	tacctcgctg	accctatgaa	180
ggcacgtgt	gttctcaaatt	ataggcattc	tgtggaaac	ttgtgtgtt	aagtaacaga	240
tgattttagtt	tgtttgggtgt	ataaaacaga	ccaagctcaa	gatgtaaaga	agattgagaa	300
attccacagt	caactaatgc	gacttatggt	agccaaggaa	gccccgaatg	ttaccatgg	360

aactgantga atggttgaa atgaagactt tgtcgt 396

<210> 55  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 55

cgacgggttg ccgccagaac acaggggtcg taaaaactac ccctaaaagc caaatggga 60  
 aaggaaaaaga ctcatatcaa cattgtcgac atggacacg tagattcggt caagtccacc  
 actactggcc atctgatcta taaatgcggt ggcatcgaca aaagaaccat taaaaaattt  
 gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt ctggataaa 120  
 ctgaaagctg agcgtgaacg tggatcacc attgatatct cttgtggaa atttgagacc  
 agcaagttact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg  
 attacaggga catctcaggc tgactgtgct gtcctg 180  
 240  
 300  
 360  
 396

<210> 56  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 56

tttttttttt ttttttctca ttaactttt ttaatgggtc tcaaaattct gtgacaaaatt 60  
 tttggtaag ttgtttccat taaaaagtac tgatTTaaa aactaataac taaaaactgc  
 cacacgcaaa aaanaaaaacc aaagnggtcc acaaaacatt ctcccttcct tctgaagggt  
 ttacgatgca ttgttatcat taaccagtct ttactacta aacttaaatg gccaattgaa  
 acaaacagtt ctganaccgt tcttccacca ctgattaana gtgggtggc aggtattagg  
 gataatattc atttagcctt ctgagcttc tggcanact tggngacctt gccagctcca  
 gcagcctnt tgtccactgc tttgatgaca cccacc 120  
 180  
 240  
 300  
 360  
 396

<210> 57  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 57

cctttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60  
 ntttttgcaa anccnancaa aaanggnngg aangaaaaan ngaaaaaatt nttttncnt  
 ntggaaac nnnnagccct tnnttgaaa aaangnggnc taaaaanngn tgaannaaag  
 gnnannccn gntnctnnn tttaaaaana anggggnngn tttttttaa anaanattt  
 tttttccct aanancnnn anntgaaacn ngncnacn nctnnctna aagggnnnaa  
 atnanangnn aaaaaanccc tnanccccc cccttanntt tncnannana naaagnncntt  
 ttggncntg naaaaanaan ccttttnntt gcnttn 120  
 180  
 240  
 300  
 360  
 396

<210> 58  
 <211> 396  
 <212> DNA

<213> Homo sapien

<400> 58

cgacacctaaa	tatgccttat	tttgcacaaa	agactgccaa	ggacatgacc	agcagctggc	60
tacagcctcg	atttatattt	ctgtttgtgg	tgaactgatt	tttttaaac	caaagtttag	120
aaagaggttt	ttgaaatgcc	tatggtttct	ttgaatggta	aacttgagca	tcttttca	180
ttcagtagt	cagcaaagag	cagttgaat	tttcttgc	cttcctatca	aaatattcag	240
agactcgagc	acagcaccca	gacttcatgc	gcccgtggaa	tgctcaccac	atgttggtc	300
aagcgccga	ccactgactt	tgtgacttag	gcccgtgtgt	tgcttatgt	gagaacacgc	360
ttcaccccca	ctccccgtac	agtgcgcaca	ggcttt			396

<210> 59

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 59

ctttttttt	ttttttttt	tcagngaaa	ataacttta	ttganacccc	accaactgca	60
aaatctgttc	ctggcattaa	gctccttctt	ccttgcatt	tcggcttttc	ttcagnggtc	120
ccatgaatgc	tttcttctcc	tccatggtct	ggaaggggcc	atggccaaac	ttggagggng	180
tgtaatgaa	cttaagnca	atcttctcca	nagcccccgg	cttcntctgc	accancaagg	240
acttgcggag	ggnagacacc	cgcttnttgg	ttcccaccac	ncagccttgc	agcatgacaa	300
agtcatgtt	cacttcacca	tagngacaa	agccacccaa	agggttgatg	ctccttggca	360
aataggncat	agtacacngga	ggcattgtnc	ttgatc			396

<210> 60

<211> 396

<212> DNA

<213> Homo sapien

<400> 60

acctcagctc	tcggcgcacg	gcccagcttc	cttcaaaatg	tctactgttc	acgaaatcct	60
gtcaagctc	agcttgagg	gtgatcactc	tacacccca	agtgcataatg	ggtctgtcaa	120
agctataact	aactttgatg	ctgagcggga	tgcttgaac	attgaaacag	ccatcaagac	180
caaagggtgt	gatgagggtca	ccattgtcaa	cattttgacc	aaccgcagca	atgcacagag	240
acaggatatt	gccttcgcct	accagagaag	gaccaaaaag	gaacttgat	cagcactgaa	300
gtcagcctta	tctggccacc	tggagacggt	gattttggc	ctattgaaga	cacctgctca	360
gtatgacgct	tctgagctaa	aagcttccat	gaaggg			396

<210> 61

<211> 396

<212> DNA

<213> Homo sapien

<400> 61

tagttgtcg	gggacggtaa	ccgggaccccg	gtgtctgctc	ctgtcgcctt	cgcctcctaa	60
tcctctagcca	ctatgcgtga	gtgcattctcc	atccacgttg	gccaggctgg	tgtccagatt	120
ggcaatgcct	gctggagact	ctactgcctg	gaacacggca	ttcagcccgaa	tggccagatg	180
ccaagtgaca	agaccattgg	gggaggagat	gactccttca	acaccttctt	cagttagacg	240
ggcgctggca	agcacgtgcc	ccgggctgtg	ttttagact	tggaaacccac	agtcattgtat	300
gaagttcgca	ctggcaccta	ccggcagctc	ttccaccctg	agcagctcat	cacaggcaag	360
gaagatgctg	ccaataacta	tgcccgaggg	cactac			396

<210> 62		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 62		
tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aattgtgtgc	60	
actctgtaac atctttgtgg tagtcctgtt ttccataataa ctttgttact gtgctgtgaa	120	
agattacaga tttgaacatg tagtgtacgt gctgtttagt tgtgaactgg tggccgtat	180	
gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt	240	
ccaaatttta agctggaaag ncactggant aactttaaaa aagaattaca atacatggct	300	
ttttagaatt tcnttacgta tgtaagatt tgngtacaaa ttgaantgtc tgnctganc	360	
ctcaaccaat aaaatctcag ttatgaaan aaannn	396	
<210> 63		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 63		
ttntttttttt ntntntntt ntntcnttgn ttgnacngaa cccggcgctn ntcccccacn	60	
nnnnacggcc gccntattc annnntncnt canntannna ccgcaccctc ggactgcnnn	120	
tngggccccg cgcncnannc nccnnncncc anttcnccgc cgccgcccgc gcctttttt	180	
atggcnncncc atnanaaccg ggnacacctc ncangngcgc cnnaantngg ggcangactc	240	
anagggggcc atcaaccncc aagnncaanc tgganctcta caaacggcct acgnntntg	300	
nccatgnggg tagggntta cccgnatga tgannatgnn aanaactttn ncaancctt	360	
tattaaccaa tgnngtngg agacggaacn tggta	396	
<210> 64		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 64		
tcgacgtcgg gtttccctgc ttcaacagtg cttggacgga acccgccgct cgttccccac	60	
cccgcccgcc cgccccatgc cagccctccg tcaccccttc accgcaccctt cgactgccc	120	
caaggcccccc gcccggcgtc cagcggcccg cagccaccgc cgccggccgc gcctntnctt	180	
agtccggcc atgacgaccg cgtccacctc gcaggtgcgc cagaactacc accaggactc	240	
agaggccgccc atcaaccgccc agatcaaccc ggagctctac gcctccctacg ttacactg	300	
catgtcttac tactttgacc gcgatgtatgt ggcttgaan aactttgcca aataacttct	360	
tcccaatctc atgaggagaa ggaacatgct gaaaa	396	

<210> 65	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 65	
tttttttttt ttttttttacca ataatgttt tattttccac atcaanatta	60
atttatatgt tagttttagt acaagtaacta aaatgtatac ttnttgccct aatagctaag	120
gnatacataa gottcaccaat acatnttgca nccncctgtc tgcctatgt cattgttata	180
aatgtanana ttttagaaaa ctntttattt caacctggaa catntatact gtaggagttt	240
gcaactgaccc gatgtnttat taaaagtaa tgnatattac ctttacatata attccttata	300
tattnaaacg tatttcatgt ttatccagct taaaatcaca tgngngttaa aagcatgagt	360
tctgagtcaa atctggactg aaatcctgat gctccc	396
<210> 66	
<211> 396	
<212> DNA	
<213> Homo sapien	
<400> 66	
tcgactttttt tttttccagg acattgtcat aattttttat tatgttatcaa attgtcttca	60
atataagttt caacttgattt aaagttgata gacatttgta tctattttaaa gacaaaaaaaaa	120
ttctttatgt tacaatatct tgccttagt ctggcaata tagtacctt cattgcagga	180
tttctgctta atataacaag caaaaacaaa caactgaaaa aatataaacc aaagcaaacc	240
aaaccccccgg ctcaactaca aatgtcaata ttgaatgaag cattaaaaga caaacataaa	300
gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtgg caaaaaaaaaa	360
aacaacaaac aacaaacaaa aacaaacaaa caaaca	396
<210> 67	
<211> 396	
<212> DNA	
<213> Homo sapien	
<400> 67	
acgcttttgt ctttcatttt aactgttatg tcataactgtt atgttgacat atttctttat	60
aagagaatag aggcaaaagt atagaactga ggatcattt tatttttgag ttggaaattt	120
tgaacttca ccatattatgt atcatacata ttttgaagaa cagactgacc aaagctcacc	180
tgttttttgt gttaggtgct ttggctgaac ttgattccag cccccctttt cctttgggtgt	240
tgtgtatgtc tcttcatttc ctctcaaatc ttcaacttgc gccccatgtc tccttggcag	300
caggatgctg gcatctgtgt agtcctcata ctgttactg ataacccaca aattcatttt	360
catggcagac ctaagctcag accctgcctt gtcctg	396
<210> 68	
<211> 396	
<212> DNA	
<213> Homo sapien	
<400> 68	
acctgagtcg tgcctttctt ctctcccccgg acagcatgag ctccaccact cgctccaccc	60
tctccaccaa ctaccggcgtcc ctgggctctg tccaggcgcc cagctacggc gcccggccgg	120
tcagcagcgc ggccagcgtc tatgcaggcg ctggggctc tggttcccgatctccgtgt	180

cccgctccac cagttcagg ggccggatgg ggtccggggg cctggccacc gggatagccg	240
ggggctggc aggaatggg ggcattcaga acgagaagga gaccatgca agcctaaccg	300
accgcctggc ctcttacctg gacagagtga ggagctgga gaccgagaac cgaggctgg	360
agagcaaaat ccgggagcac ttggagaaga agggc	396
<210> 69	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 69	
ntcncngnng ntgtggtnnt tttttaatt tttatnntttt cttttttttt ctngctagcn	60
cttnctttttt ttggaaattnc ggtncctttt tntntcnatt ttttngacaa aaanaacctn	120
ttnttttnana ccanagnnng gnncacncnt nnaattncc cttttncgn tnnggagctn	180
cncntnnnc gccnacntca ntcgagacng tncttttnnn tnnancannn tnngtncgtt	240
gncngcntn ntcannant ntccctatn nacntgnnnt cncncatnnt tggacnancn	300
cctagccctn ccatnntttn ntntttntn natnancctn gaaaacntcn gnntnttcnc	360
nncttnccn cncncncctt cntatgtncn atgncn	396
<210> 70	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 70	
ttttttttt ttttntttt tttttttttt tttttttntt tttttttttt tttttntnc	60
aannnnntnaa cttnaanng gcnccngcn ccccaanggg gaccctgctt ttgnnggcta	120
aatgcnnaa aactttggg nantnggtat naaacccnc tttgcccnnn annttncng	180
ggggggggggg ttttgnngg ggaacangna naacntttt ncnanggnat cacaaaaan	240
aaagcccnnc ctttttccn annggggggg gnggggggaa aantcanccc ccanattgac	300
cttnatttca aaangggct tataatcctg ggcntggann cttccctnta cccgggggtt	360
gnccacntt tattanaggg gnangnggat ccccnt	396
<210> 71	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 71	
gcacatctagag ggcngttta ntctagaggn ccngnntaaa cnnnnnncatc nacctncnn	60
gcncctgctn gttgcncccc ntctgtgnct tgcnnnnccc nngagcgtnc cttnaccnnn	120
gaangtgcct nnnnnactga nnnnnncnna taanatgngg anantncgtc gncattntnt	180

natnnggggt gatgttattc tgggggggtgg ggggggnna tnnnatactn nnnnacgtn	240
nnatnangaa nnatntcnng ntntctnnrt gntttntggg gggcnatnng nnntctntnn	300
ggactcncg cncannnac aatancntna ttcngtgtan ngtccgnccn tagnnncngcn	360
ngtactnnan ngtgnnntc attactnttc gtnngg	396
<210> 72	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 72	
tntttttttt tttctaaaac atnactntt attnnnnang nttntgaac ctctnngcnt	60
natggtgaga gtttgctga ttaataanaa tnggannntt nannanangc ntgnncgcaa	120
ngatggcnnc nctgtatatac ccaccatccc attacactnt gaacctttt tttgattaaat	180
aaaaggaagg natgccccca angggaaag agaatgttg aacattncca tgnnccttn	240
gacaaaacttt ccaatggagg cnggaacnaa nnaccaccc ncaactcccc tttttgtaat	300
ttnnnaactt ncaacnncta nctntttatt ttggcntccc tggngaaac agnctgtatn	360
annnnnaagn ccntgagaac atccctggnt nnccnaa	396
<210> 73	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 73	
ntcaacntng actnctgtga ggnatggtgc tggngcnta tgcngtgngn ttttggatac	60
naccttatgg acantngcn tcccnngaa ngatnataat ncttactgna gnnactnnaa	120
nnntccntnt cnaaaangtt naaaancatt ggtatgtcca caatgtatgac agtttatttg	180
ctactcttga gtgctataat gatgaagatc ttanccacca ttatcttaac tgangcaccc	240
aanatggtga nttgggaaac atatanagta cacctaagtt cacatgaagt tggtnntcc	300
caggnnctaa agagcaagcc taactcaagc cattgnacca caggtgagac acctctattt	360
tgtacttctc acttttaagg gattagaaaa tagcca	396
<210> 74	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 74	
cctttttttt tttttttact gngaaatatac actttttatt tagtcatttt tggttacaat	60
tggaaactctg ggaattcaaa attaacatcc ttgcccgtga gcttcttata gacaccanaa	120
aaagttcaaa ccttgcgttc cacattgttc tgctgtgtt tgtccaaatg aacctttatg	180

agccggctgc catctagttt gacgcggatt ctctgccc caatttcgct tgggaagacc	240
aagtcccaa ggtatggcata gtcacagact gtcagactac ggctcctggg acgctttgc	300
ttatttttt tacggctttt tcgagttggc ttaggcgaaa ttctcctctg agcgataaag	360
acgacatgct tcccactgaa cttttctcc aattcg	396
<210> 75	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 75	
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tttttttaaa ctngncntt ttncttcct ttttttnaaa ggaaaaaaaaa annttnttt	120
ttcnntnaaa aaccctttt cccacnaaca aaaaaaaccn ttccccntnc cttttnnnna	180
aaaaaaaaaggg gctnggnntt tccccttann caaaaaaaaaccn tntccnnngg naaaaaaantt	240
ntcncgggg gggaaacnnn tgggggtgtt nccnaaattt gggggccntc ggaagggggg	300
nnccncncct aaagangtnt tcaaaaanaaa aaaccccn tctntntaa aaanaaaaana	360
aaanaangnn ngnntttttt ntcntnncc ccccaa	396
<210> 76	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 76	
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaataatt ttcattttgg	60
atattctcct gtttttatta aaccagnat tacncctggc cntccctnta aatgttctag	120
gaaggcatgt ctgttgnnt ttnnnnaaaa nnnaattntt ttttttngn naaacccaa	180
atcccantt atcaggaagt tagncnaatg aaatgaaaat tgntaatgg aaaaaagcta	240
gcttgtaaaa aggaccaccc nnccacnngn ctttaccccc ttggttngt gggggaaaaaa	300
ccatnnttaa ccntntggnn aaaattgggn ncntaaagtt tncntgnna acagtncntn	360
cngtattnaa ttgnctttaa ngaaaaatcn gggatt	396
<210> 77	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 77	
tttttttttt tttttttttt tttttttttt tatcaacatt tatatgcttt attgaaaagtt	60
ganaanggca acagttaaat ncngggacnc cttacaattt tgtaanaaac atgcncanaa	120
acatatgcat ataactacta tacagggat ntgcaaaaac ccctactggg aaatccattt	180

cattagttan aactgagcat ttttcaaagt attcaaccag ctaattgaa anacttcagt	240
gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagngagtaa	300
ctngccaaa ttcttaaaat ttnttttaggg gnggttttg gcatgtacca gttttatgt	360
aatctatnt ataaaagtcc acacccctc anacag	396
<210> 78	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 78	
agctggcnaa agggnatgn gctgcnangc gattangnnn ggtaacgtca nnggnnncc	60
agtgcangac nttgtaaaac gacggccaca tgaattgtaa tacgactcac tatngggcgn	120
attggccgt gnaggatngt gntcacactc gaatgtatnc tggcngatnc ananngcttt	180
atngctntt acggngnnnt anccanctng ggctttaggg ggtatcccct cggccctgct	240
tcnttgattt gcacggcnn ctccganttc ctccataata ccngacgctt cnatcccata	300
gctcngacct ntcantntt tcnntgggtt ntnnccgntc acngcttncc cgnangntat	360
aatctnggct ctttnggga tccattantc tttact	396
<210> 79	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 79	
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ccatctgttc tgccctggct gcctcagccc taccagcact ggtcatgtct aaaggncatc	120
gtattgagga agttcctgaa ctcccttgg tangttgaag ataaagctga aggctacaag	180
aagaccaang aagnttttt gctccttaan aaacttanac gcctggaatg atatcaaaaa	240
ngctatgcct ctcagcgaat gagactggan angcaaaatg agaaaccntc nccgcatcca	300
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cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctattttt agcctaaagt	180

aaaggctgtg aagaaaattc atttacatt gggtagacag taaaaaaca a gtaaaataac	240
ttgacatgag cacctttaga tccttcctt catggggctt tggggccaga atgacctttg	300
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ggggagttcg ccacagatat tcgtactcat ggggttcaca tggtttgaa tcaccagggn	240
ccgccccatcg gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca	300
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aagttaggaaa ngtgctttt gaaaaatca cctgctccctc agaaactggc ttacaanctg	300
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tcagaggcat tgaagatcca taactatctt ctgaatttac acagaaagaa gaaagttaga	180

agagtttaat gttaagtgt aaaaaatca tattctaatt cttaattt ggttatctga	240
gtatgataat ataggagagc tcagataaca aggaaaaggc attggggtaa gaacactcct	300
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atacagattt ttatcactcc aaaagtccat cctgtgtct tttcaagtcc atcctccctca	180
tctgataccca caagccacca ttgtttgct ttctggaact acagtttg 60 gnttttagaa	240
tttcataatat ggtngaatca taccattgn natttggggc tgacgnctt cctccaataa	300
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aggcgtcatac ctccccgtgc agcagcgcgt ccccgccgg gatatagctc tcttactacc	180
actcaccacgc agactccttc tccagcatgg gctcgctgc aacgcgcagg acttctgcac	240
ggacacctggcc gctccagtgc caacttcatt ccacggcaact gcatctcgac canccggact	300
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<210> 86	
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<210> 87						
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tntntcttna	ccnnnntttn	taatcnctt	ctncnntnnnn	tctcttnnat	ntntnnttta	240
nttcctnnnn	tttnttctnt	cnnntctnc	ctnnnntctcn	nnctcnncnc	tcnnncattnn	300
nntntttnt	nccttcnnt	cttnnttctn	tnnnnntt	nnnnttctnt	tnntcatntt	360
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ttganaaaatt	ttttaanagg	cttgcccccc	actttggnc	ccnccncnc	gnnggatcc	300
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actggagggtg gcacacttg gagtggatg tcggggaca ncttcttgg tanttggcc	240
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aagaacagtt ttaatggacc actatgagcc cagttacata aagaaaaagg agtgctaccc	180
atgttctcat cttcagaag aatcctgcga acggagcttc agtaatataat cgtggcttca	240
catgtgagga agtacttaa cactagttac tctcacaatg aaggacctgn aatgaaaaat	300
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tttttgaatc ataataactc atanngtct atctgtcagt gatgccctca gagctttgc	240
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acacaaggaa agtcancnc cgggctttagt aggaattgga cttataataat ttagngngct	360
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tatttgncc	tccttntcc	ccaangccnc	anattcnna	actttnccnt	naatgcctt	300
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cnnaacgtgg gggaaaaaaaaa tcattccnc cntccaaac tatacttctt ttatctngan	300
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ttacnaggc atnaattn cnctcaactct ntncncttg ttccctgata tntcgccgg	300
ngncnccaat tctgtattt nctcntcaac gntctcaattt ttnccctcctc cnngccactt	360
tctccccc ttccttccgg ctttgc cnccat	396
<210> 105	
<211> 396	
<212> DNA	
<213> Homo sapien	
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<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 105	
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attttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taacttttt	120
gttttaatc caggccaaaca tttatgtaaa ttaaattttt agataattga ttatctctt	180
gtactacttg agatggatt atgagatgtg catattgctt tggaaagagc tcgaggaagg	240
aaataattct ctccttggt ttgaacctca actagataaa cccttaggaat tgtaactgc	300
acaagnattt tcattccaca aacactgagg cagctttt gccagagcgt tcctgnaccc	360
ccccacccca cttgccttgg gtcttanaa ngagcc	396
<210> 106	
<211> 396	
<212> DNA	
<213> Homo sapien	
<400> 106	
gctgtgttagc acactgagtg acgcaatcaa tttttactcg aacagaatgc atttcttcac	60
tccgaagcca aatgacaat aaagtccaaa ggcattttct cctgtgtctga ccaaccaaatt	120
aatatgtata gacacacaca catatgcaca cacacacaca cacacccaca gagagagagc	180
tgcaagagca tggaaattcat ttgtttaaag ataattctt ccatgtgaag tttaaaattt	240
ctatatattt gctgatggct agattgagag aataaaagac agtaacctt ctcttcaaag	300
ataaaaatgaa aagcaattgc tctttcttc ctaaaaatg caaaagattt acattgctgc	360
caaattcattt caactgaaaaa gaacagtattt gctttg	396
<210> 107	
<211> 396	
<212> DNA	
<213> Homo sapien	
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<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 107	
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taaaggagca gaacctgacc cagagcctgc agtacatttc caccacacag ggggtgcaggc	120
tggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag	180
ctctgctggg tttttttttt tgggcatgan atgatgatga ttgtgtttaa ggaccaggtt	240
ggcaaaacct gtcaggntt ntgaatgtca ngttgatcc aaaaggctga gggggctgc	300
anaaggccgg ngncccncc cttggccgtt tgggccttca aaaagtatgc ttgctcatcc	360
gttggtncc ccanggagct gccanggana aggctn	396

<210> 108		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 108		
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caggtgtgca cagaaaaccg agaatattca aaattccaaa ttttttctt aggagcaaga	120	
agaaaatgtg gccctaaagg gggtagttg aggggttaggg ggttagtgagg atcttgattt	180	
ggatctcttt ttattnaat gtgaatttca acttttgaca atcaaagaaa agactttgt	240	
tgaatagct ttactgtt tcacgtgttt tggagaaaan natcancct gcaatcactt	300	
tttgnnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa	360	
tgnctggnc ttttgaanga atacatgngt gntgct	396	
<210> 109		
<211> 396		
<212> DNA		
<213> Homo sapien		
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<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 109		
ggccgttaggc agccatggcg cccagcccg aatggcatgg tcttgaagcc ccacttccac	60	
aaggactggc agcggcgcgt ggccacgtgg ttcaaccagc cgccccggaa gatccgcaga	120	
cgtaaggccc ggcaagccaa ggcgcgccc atcgctccgc gccccgcgtc gggtcccac	180	
cggcccatcg tgcgctgccc acggttcggt accacacgaa gggcgcgccc ggcggnttc	240	
agcttggagg agctcagggt ggccggattt acaagaagng gccngacatc ngtattctt	300	
ggatncnnga agnngaacaa gtcacngagt cttgcagcc acntcagcgg ntgatgacac	360	
cgttcnaact catctnttcc caagaaacct cngnnnc	396	
<210> 110		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 110		
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tatgtncatn ctgacgcgga aacagngcan ggagctgagg aggnngccaag atgagaccta	120	
nngccnngg tgggcgcatt cccggnggag gggggcaacta aggantacga nnntcnagcg	180	
gctcttgnng gcngncctcc tcacncctgn ntattcgatt gtcncnnatg ncntccatn	240	
atnntcanna ttctntnnnt attcntnta cncncncn ttcatgntta cngntccctc	300	
tcnttctnac cttntctgn anctcctttc tnnnncttgc atctntnttc ngctttctt	360	
ctnnaatcnt nnttaacnt nntctncttt ntnatt	396	

<210> 111		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 111		
taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn	60	
tgtcccagng aatgnccgct nattttctt ccacatgng cncattcaact cctcccaactc	120	
ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccc	180	
angggtananc ntnttgtnat ntcatattccat tgatatacag ccactntttt atttttgatc	240	
ancggcccttc ggntcactgc ncanggtact tgacctcagt gtcaactatta tgggntttgg	300	
tttcnctctt ttnncngccn ttntnttcn cacntnccn cttntnnnt nnaaaannna	360	
nncactctctt ctgcctctt ngatacnnng tctnaa	396	
<210> 112		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 112		
tcaacgtcac caattactgc cattttagccc acgagactgcg tctcagctgc atggagagga	60	
aaaaggtcca gattcgaagc atggatccct ccgccttggc aagcgaccga tttaacctca	120	
tactggcaga taccaacagt gaccggctct tcacagtgaa cgatgttaaa gntggaggct	180	
ccaaagnatgg tatcatcaac ctgcaaaagtc tgaagacccc tacgctcaag gtgttcatgc	240	
acgaaaacact ctacttcacc aaccggaagg tgaattcggg gggctggcc tcgctgaatc	300	
acttggattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc	360	
tgctccacc atcactgntn gncaatantc acccag	396	
<210> 113		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 113		
nnnnntnnnn nggagcccta atttcagagt tttattgtat tgcactaaag gaacagcagg	60	
atggntatac aattttctct catttcagttt tgaaaatctg tagtacctgc aaattcttaa	120	
gaataccctt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat	180	
gtcttacaaa taaaaacaca tttaaaaatag ctttaaatgc attcttcaca agtaattcag	240	
catatatttt atatcatggt tacttatgct tangaattnn agcaggatnt ttattcttt	300	
gatggaaata tggaaaaact ntattcatgc atatacangg ataataattca gcgaaggaa	360	
aatcccgaaa ttattttggg aatgattcat atataa	396	

<210> 114		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 114		
aaatgggaca acgtgattct tttgttttaa ataaatactn agaacacgga ctgggctcct	60	
acaaggcattt ggactctaag gnttagaact ggagagtctt acccatgggc cccncncagg	120	
gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga	180	
tcgcnatgtg ccccttatct atagccttcc cnggnatnt acangcagga tgcgntggg	240	
anaactacaa ctgnaatntc tcnaacggtt atggtccccca ccgatnaaga ttctacctng	300	
tcttttcntc ccctggagtg tgagtgnnnng aggaagaagc ccttncctta catcacctt	360	
tgnacttctg aacaaganca anacnatggc cccccc	396	
<210> 115		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 115		
ccgcctggtt cggcccgccct gcctccactc ctgcctctac catgtccatc aggggtacccc	60	
agaagtccata caaggtgtcc acctctggcc cccggccctt cagcagccgc tcctacacga	120	
gtggggcccggtt ttcccgcatc agctcctcga gcttctcccg agtggggcagc agcaactttc	180	
gccccgtggcctt ggcggccggctt atgggtggggc cagcgcatg ggaggcatca cccgcagttt	240	
cgcccaaccag agcctgctga gccccttgcc tggaggngga ccccaacatc aagccngcgc	300	
caccaggaa aaggagcaga ncaagaccctt caacaacaag nttgcttcatagacaag	360	
ggaccgggtcc ttgaacagca naacaagatg ntggag	396	
<210> 116		
<211> 396		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)...(396)		
<223> n = A,T,C or G		
<400> 116		
atctcagttt actagctaag tgactttggg caagggattt aacctctcgat ccctcagttt	60	
cctcctatgtt aaaatgacaa ggataatagt accaacccaa tggatattaa atgagttac	120	
gaagtgttagt aatagtgtttt ggcacatttt tgcttacaa ctgctatattt gattgttgg	180	
gtggggctctc tcaaattgtat tggctctaga tgccagtgc ccaggtcaaa atttacctt	240	
aaccaagctg catgtttccc agactgntgc acagtcctct accctgagan aaagcttcca	300	
cccaaggata cttttactttt ctgctggaaa actgatgagc aanggcaaca ngggacactt	360	
atcgccaaactt ggaaangaga aattttttttt tttgtct	396	

<210> 117  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 117  
 aaacatttt taataaaatt cctatagaaa gctcagtcat agggcaaata ctcagttctc 60  
 tttcccatat caccgaggat tgagagctcc caatattctt tgagaataaa gcagtagttt 120  
 tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180  
 tattgcacat attaacatta cttgccccta gcaccctaaa tatatggnac ctcaacaaat 240  
 aacttaaaga tttccgtggg gcgcganacc atttcaattt gaactaatat ccttggaaaaaa 300  
 aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanatc 360  
 tgaattcnga cttggnttta ttccataaaat acgggt 396

<210> 118  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 118  
 accnnccaccc gntnnntttt aacnattaca acttctttat atggcagttt ttactggng 60  
 cctaacactc tctttactgn ctcagngga agtccaaaca aatttcattt ttgttagtaaa 120  
 aaatctttat ttccaaaatg atttggtagc caaaagaact ataaaccacc taacaagact 180  
 ttggaagaaa gagacttgat gcttcttata aattccccat tgcanacaaa aaataacaat 240  
 ccaacaagag catggtaccc attcttacca ttaacctgnn ttaannctc caaancnnga 300  
 tttaaaaatg accccactgg gcccaatcca acatganacc tagggggnt tgccttgatt 360  
 angaatcccc cttangact ttatctnggc tganaa 396

<210> 119  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 119  
 atggccagct cacttaaat accacctaa gactcatcga aatgaccgct cttcatctg 60  
 tcctgcagaa ggttgggaa aaagcttcta tggctgcag aggctgaagg tgcacatgag 120  
 gaccacaaat ggagagaagc ctttatgtg ccatgagtct ggctgtggta agcagttac 180  
 tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttccttg 240  
 tgaagccaa ngatgtggcc gtccttgct gagtattcta ncttcgaaaaa catctggngg 300  
 ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360  
 angcaggaat gtgcatatta aaaagctncc ttgnac 396



<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 123  
 gccctttttt tttttttttt tttccttagtg ccaggttat tccctcacat gggtggttca 60  
 catacacagc acanaggcac gggcaccatg gganaggca gcaactcctgc cttctgaggg 120  
 gatcttggcc tcacggtgta anaagggana gcatggttc tcttctgccc tcactaggc 180  
 cttagggacc cagnagcaaa tcccaccacg cttccatnt ctcagccaag ganaagccac 240  
 cttaggtgacg ttttagtcca accattatac taagtggana agggattggc ctggtccaa 300  
 ccattacagg gtgaanatataa aacagtaaa ggaanataca gtttggatga ggccacagga 360  
 aggagcanat gacaccatca aaagcatatg caggga 396

<210> 124  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 124  
 gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga taaaacaac 60  
 ttccctccctt acagagcata caacagaggg ggcacccggg gaggagagca catactgtgt 120  
 tccaatttca cgcttttaat ttcattttgt ttcacacca acagtgtgaa gtgcgtggta 180  
 taatctccat ttcaaaacca agaaggcagc ctcagagtgg tcgagtgaca cacctcacgc 240  
 aggctgagtc cagagcttgt gtccttcttg attcctgggt tgactcgtt ccaggcctga 300  
 tcctgcctgt ctggctcagg gtcggaaagaca gaatggtgg gtttagcctc cacctgatata 360  
 tcaggctact cattcagtcc caaatatgtt ttttcc 396

<210> 125  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 125  
 cccttttttt tttttttttt ttttttactt tgnaacaaaa atttattagg 60  
 attaagtcaa attaaaaaaac ttcatgcnc nccncttgc atatttacat gaaatgacaa 120  
 agttataactt agcttgagng naaaacttgn gccccaaaaa ttntgtttgg aaagcaaaaa 180  
 aataattgtat gcncatagca gngggcctga tnccnccaca gngaatgtt tttaaggnc 240  
 aacaaacagg ggnccanacaa gcatacatta cttttaagct ttgggnccaa ggaaaangtc 300  
 attccctacc tccttcaaaaa gcaaaactcat natagcctgg gcncctaggn ctggagcctn 360  
 tttttcggat tctaananatga acatntggat ttcaan 396

<210> 126  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 126  
 cgcggtcgact cgcaagtgg aatgtgacgatc cctggagacc ctgaaggctt tgcttgaagt 60  
 caacaaaggcac cacgaatga gtcctcaggat ggccaccctg atcgaccgat ttgtgaaggg 120  
 aagggggccag ctagacaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180  
 gtgctccctc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggtcag 240

gccccacgac	ctggacacgc	tggggctacg	gctacagggc	ggcatccccca	acggctacct	300
ggtcctagac	ctcagcatgc	aagaggccct	ctcgggacg	ccctgcctcc	taggacctgg	360
acctgttctc	accgtcctgg	cactgctcct	agcctc			396
<210> 127						
<211> 396						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
<400> 127						
tttttttttt	ttggngttaa	aatgcaaata	ttttaaaata	tgtttat	ttt gatatgttta	60
caatgaatac	ttcagcaaag	aaaataatta	taatttcaaa	atgcaatccc	tggatttcat	120
aaatatcctt	tataatcgat	tacactaata	aatatctaga	aatatacata	gacaaggta	180
gctaatgaat	aaaataagta	aatatgactac	ataaaactcaa	tttcaggat	gaggatcat	240
gcatgatcag	ttaagtact	ctgccacttt	ttaaaaataat	acgattcaca	tttgcttcaa	300
tcacataaaac	attcattgca	ggagttacac	ggctaatacat	tgaaaattat	gatcttgtt	360
agcttaaaag	aaaattcagt	ttaatacataaa	gacatt			396
<210> 128						
<211> 396						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
<400> 128						
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taaattgagg	agcatccata	caggcaagct	ataaaatctg	aaaaatttaa	atcaaattaa	120
attctgctt	taaaaaggta	ccttaagttt	accaagcatt	ttgataacac	attcaaattt	180
aatatataaa	aatagatgt	tcttggaaaga	tataatgaan	aacatgccat	gtgtataaaat	240
tcanaatacg	ctttttcac	aaagaactac	aaaaagttac	aaagacagcc	ttcaggaacc	300
acacttagga	aaagttagcc	gagcagcctt	cacgcaaagc	ctcccttcaa	naagtctcac	360
aaagactcca	gaaccagccg	agtntgtgaa	aaagga			396
<210> 129						
<211> 396						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1)...(396)						
<223> n = A,T,C or G						
<400> 129						
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tgcatcgtaa	atagtagcca	actcacaaaa	ataaaagtata	caanaatgt	atattttta	120
aaataagatt	aacagtgtaa	gaaggaaaaat	ctcaaaaaaa	gcanatagac	aatgtanaaa	180
attgaaatga	aatcccacag	taanaaaaaaa	aaaacanaaa	agtgccattt	taanaattat	240

gctacatgtg gaacttaact agaccatttt aanaaagacc aatttctaatt gcaaattttc	300
tgaggttttc anattttatt ttaaaaatat gttatagcta catgttgtcn acncggccgc	360
tcgagtctan agggccggtt taaacccgct gatcag	396
<210> 130	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 130	
cgcccttttt tttttttttt tanngnacgt gnctttattt ctggatgata taaaanaaaa	60
aactaaaaaa acacccaaaa ccaaacacca atggatcccc aaagcgatgt gactccctct	120
tcccacccgg ataaatagag acttctgtat gtcagttcac cctccggccc ccataacccc	180
ctctgtata nacatactt ggttatatat tactctactc ggcaatagac atctccggaa	240
aatagaattt ctgcctgtac acctgactct tccctggccg catcanacca cccgcactg	300
tagcacactg gtgtccttgc cccctgtggc cagggccatg ctgtcatccc acaanaaggc	360
cacatttgtc acatgggtgc tttgtccacc gtactt	396
<210> 131	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 131	
gccctttttt tttttttttt tttttttttt ttcagtttac aaaaaaacnc tttaattgac	60
agtatacnnt tttccaaaaat attttttngt aaaaaaatgc aataattatt aactatagtt	120
tttacaaaca agtttntcan taaattccag tgncttnaa accccnnncn annaaaaacat	180
atatganccc ccagttcctg ggcaaactgt tgaacattca ctgcanaccaa aaagaccanc	240
ncaaaaanagt catctgngnc ctccatgtct ngtttgcacc aaacctgagg gancagctag	300
ngaccgtgac aaaagctntg ctacagttt actntngccc tntntgcctc ccccatnatg	360
tttccttggt ccctcantcc tgnngagta agttcc	396
<210> 132	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 132	
cgcgtcgacc gggcccgtag cagccgggtt ggtcctgtcg cgagccggcg gcccggagtg	60
ggcgccgcnt atgtaccccttcc cacattgagt attcagaaag aagtgtatctg aactctgacc	120
attctttatg gatacattaa gtcaaataata agagttgtac tacttgacac actggctcg	180
tgagttctgc tttttttttt taatataaaat ttattatgtt gtaaaatttta gctttggct	240

tttcactttg ctctcatgat ataagaaaat gtaggtttc tcttcagtt tgaatttcc	300
tattcagtaa aacaacatgc tagaaaacaa acttttgaa aggcattgta actattttt	360
caaatagaac cataataaca agtcttgtct taccct	396
<210> 133	
<211> 396	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(396)	
<223> n = A,T,C or G	
<400> 133	
ntattacccc tcctggnnan ntggnnatan nctgcaaggn gatnnncccg nngaacttca	60
ctgatnnncc aatnaaaaact gctttaaanc tgactgcaca tatgaattnt aatacttact	120
tngcgggagg ggtggggcag ggacagcaag ggggaggatt ggaanacaa tagacaggca	180
tgctgggat gcngcgggct ctatggcttc tgangcnaa agaaccagct ggggctctag	240
gggttatccc cacgcgccct gtagcngcnc attaaacgcg gcggtgtgg nggttacttc	300
gcaaagngac cgatncactt gccagcgcgg tagctgcccc ctcccttngc tttctccct	360
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<222> (1)...(396)	
<223> n = A,T,C or G	
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ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc	180
agtaatagaa ctgatcaata tcttgcctt cctgatataatgg ngtactaana aaaacacaac	240
atcatgccat gatagtcttgc cccaaagtgc ataacctaaa tctaatacata aggaacatt	300
anacaaaactc aaattgaagg acattctaca aagtgcctg tattaaggaa ttattcanag	360
taaaggagac ttaaaagaca tggcaacaat gcagta	396
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<212> DNA	
<213> Homo sapien	
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atgacctcg ccccgctgc agtggctaga agccagcagg tgcccatgtg ctactgacaa	180
gtgcctcgc ttccccccgg cccgggtcag gccgtggag ccgttattat ctgcgttctc	240
tgccaaagac tcgtggggc catcacacct gcccgtgca gcgagccgg accaggtct	300
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<211> 396  
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<220>  
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 <223> n = A,T,C or G

<400> 136

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cactccact gtccttcct	360
tcattctatt ctgggggtg	396
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ggacan	

<210> 137  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

<400> 137

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cagatgaaaa gggacatgca	300
atcatgtcct gggataacc	360
ggtggcgggc cacacacc	396
gatgagcgtg gacttc	
aaccacggag aaagatact	
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taccgnggtg aaattgaact	
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<210> 138  
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 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 138

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gccactgtaa atgtaaagtat	240
ctcttgagca gcagctcccc	300
tccggcaaaat tcgtggacat	360
gaagccagtg agacaagact	396
aatatgagaaaa aatgtttatt	
acccgaaggc aattacagt	
caactggaaa gttgctgaag	
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gataaaaccat attcctgaag	
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<210> 139

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tggtanattt tgcttctctt tggtcanaaa agggtattca ggttgtactt tccccagcag	180	
ggtaaaaaaga agggcaaaagc aaactggaan anacttctac tctactgaca gggctnttga	240	
natccaacat caagctanac acnccctcgc tggccactct acaggttgct gtcccactgc	300	
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<223> n = A,T,C or G		
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cttaaaaactg ccncncccaa aaaaaaaaaac caaagggtc cacaaaaacat tntccttcc	180	
ttntgaaggn ttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan	240	
ggccaattga aacaaacagt tntganaccg ttntccncc actgattaaa agnggggggg	300	
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<211> 396		
<212> DNA		
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ccatcaatga ccccttcatt gacctaact acatggtta catgttccaa tatgattcca	180	
cccatggcaa attccatggc accgtcaagg ctgagaacgg gaagctgtc atcaatggaa	240	
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<210> 142		
<211> 396		
<212> DNA		
<213> Homo sapien		
<400> 142		

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tgtgtctgca	actttgaact	acgagaatga	ggagaaaagt	cctttggagg	ccttctttgt	300
gttccccatg	gatgaagact	ctgctgttta	cagctttag	gccttggtgg	atgggaagaa	360
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<210> 143  
<211> 396  
<212> DNA  
<213> *Homo sapien*

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
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<400> 143

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anaaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac	180
ttntgttagc aacacaggaa ttcacattgt cttaggcacag ctcaagngag gtttgttccc	240
aggttcaact gtcctaccc ccatggggcc tcctcaaaaaa cgacacgcgc aaacccaacag	300
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<210> 144  
<211> 396  
<212> DNA  
<213> *Homo sapien*

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
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<400> 144

<210> 145  
<211> 396  
<212> DNA  
<213> *Homo sapien*

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 145

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anaaaaccctg agttttactg ggcaaaanaaa naacaagngg taggtatgat ttctgaacct	180
ggaaaatagcg aaaatgaagg aaattccaaa agcgcgtatt tccaaataat gacaggccag	240
caagaggaca ccaaaccntn anaaaagaggt attnttctt ccagctactg atggcttgg	300
catcccacag gcacattcct ttggccttca ggatctana tgcanaatgtg ganagtcaag	360
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<210> 146	
<211> 396	
<212> DNA	
<213> Homo sapien	
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<223> n = A,T,C or G	
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acaanaaaac agtggctta caaaaaanat gttcaagtag gttgcactttt gcctctnggg	240
gtgaggcaca ctgngggana nacaaggcttcc cctgnaacca gaggnnggaa ggacanagct	300
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<212> DNA	
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gtgcctggat ggagcccgac acttcctaaa agatgatgtt gtgagcatcc cggggagta	180
cacttcctt ctggctccca tcttttcctc caagctgtac aatgaggtcc gagcctgttag	240
ggagaaggac cgtgaccctg aggcccagtt tgagatgcct tatgtgttac ggctgcacaa	300
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tatgattgac aacaaccgctt attgcacccattt ggaatt	396
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<213> Homo sapien	
<400> 148	
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ccttgctttt ccactgtttc ttccctgctgc cacctgggccc ttgaatttccctt gggctgtgaa	180
gacatgttagc agctgcaggg ttaccacac gtggggaggc agcccagttac tgcctctctg	240
ccttcccccac tttgagaata tggcagcccc ttccatttccctt ggcttgggtt aggggagacc	300
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<210> 149	
<211> 396	

<212> DNA  
 <213> Homo sapien

<220>  
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 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 149

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tagagccggt	aaccaggaca	cagatggaa	aaaataggtc	taattgggtt	ttacactgtg	180
tttatgtcat	acatggcgct	tattttatac	aaanaaaaat	cagaatttat	aaaatgttaa	240
ttaaaaggaa	aacattctga	gttaatttag	tcccggtttt	cttcctccaa	atcttttgt	300
tctacactaa	caggtcagga	taagtatgg	tggggaggct	ggaaaaagg	catccttccc	360
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<210> 150  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 150

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acaactgtat	ccttggaaat	atatttctag	ggagaatatt	attgaagaaa	atgttaatag	180
cctgagtcaa	atttcagcag	atttaccaggc	atttgtatca	gtggtagcaa	atgaagccaa	240
actgtatctt	gaaaaacctg	ttgttcctt	aaatatgtat	ttgccacaag	ctgcatttgg	300
gactcattgc	agtaatattt	ccaatgtgcc	acctacaaga	gagataacttc	aagtctttct	360
tactgatgt	cacatgaagg	aagtaattca	gcagtt			396

<210> 151  
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 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

<400> 151

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acgagaggca	atccagcatac	cagcanatga	gaagtgtcaa	gagaaggcat	gggggtgcagt	180
tgttccacta	gtaggccaaat	taaagaattt	ttacgaattt	tctcagaggt	tagaagcagc	240
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gcgagagcag	gctcttgcta	aacagtttgc	anaaaattctt	catttcacac	tccggtttga	360
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<210> 152  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 152

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gcgcgtgcac	acacatgcca	actgcaccta	tcttgacact	ctgggcacct	gggtcttcca	180
ggtgggctcc	agcggttccc	agcgcgatgt	caactgctcg	gttatgggac	cacaagaaaa	240
aaaagttagng	gtgtaccc	agaagctgga	tacagcatat	gatgacactt	gcaattctgg	300
ccatccacc	atcatttaca	accaaggctt	tgagatgtt	ttaaatgact	acaagtggtt	360
tgcctttttt	aagtataaaag	aagagggcag	caaggt			396

&lt;210&gt; 153

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 153

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acaagccac	ggagacttgt	ggagctggca	ggcagagcc	tgctgaagga	tgagggccctg	240
gccattgccc	ccctggagtt	gctgcccagg	gagctcttcc	cgccactctt	catggcagcc	300
tttgcggga	gacacagcca	gaccctgaag	gcaatggtgc	aggcctggcc	ttcacctgc	360
ctccctctgg	gagtgtgtat	gaagggacaa	catctt			396

&lt;210&gt; 154

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 154

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atgaaaaggc	ccccaaaggta	gttatcctt	aaaaagccac	agcatacatac	ctgtccgtcc	360
aagcagagga	gcaaaagctc	atttctgaag	aggact			396

&lt;210&gt; 155

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 155

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caatccctgg	cacctgttag	gcagctatta	acctagtaaa	tgctccccca	tcccatctca	300
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aaaagtgtgt	actngngata	ttttaaaatat	cacagtaaca	agatcatgt	tgttctaca	300
gtattgcggg	ccanacactt	aagtggaaagc	anaagtgttt	gggtgacttt	cctactaaa	360
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acatgggtgt	gctagaaatg	aattgagtgt	gacttctccc	tacaacccca	ggcccaaggga	360

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aantaacccn aggnptaact ttattatca ctgnncncc gggggggctt nnaaaaaaa	240
nnttccccc anccaaantn ggnncnccc atttncnca anttggncnc cnggnncncc	300
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<210> 163

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<212> DNA

<213> Homo sapien

<400> 163

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<212> DNA

<213> Homo sapien

<400> 164

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<210> 170

<211> 396

<212> DNA

<213> Homo sapien

<400> 170

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<210> 171

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<212> DNA

<213> Homo sapien

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<222> (1)...(396)

<223> n = A,T,C or G

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<211> 1069

<212> DNA

<213> Homo sapiens

<400> 178

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<210> 179

<211> 1817

<212> DNA

<213> Homo sapiens

<400> 179

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<211> 2382

<212> DNA

<213> Homo sapiens

<400> 180

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 <212> DNA  
 <213> Homo sapiens

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<211> 1370

<212> DNA

<213> Homo sapiens

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<211> 2060

<212> DNA

<213> Homo sapiens

<220>

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 <212> DNA  
 <213> Homo sapiens

<400> 184

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acttccaga	tcatagacga	agaagaaact	cagtttatga	gcaattgccc	tgttgagtc	420

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<210> 185

<211> 3000

<212> DNA

<213> Homo sapiens

<400> 185

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&lt;210&gt; 186

&lt;211&gt; 807

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

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Pro	Leu	Pro	Ala
Lys	Leu	Ser	Arg
Leu	Leu	Leu	Thr
Ala	Ala	Ala	Pro
Ala	Ala	Ala	Leu
Ala	Ala	Ala	Asp
Ala	Ala	Ala	Glu

5

10

15

Leu	Ala	Leu	Pro
Leu	Ala	Leu	Leu
Ala	Ala	Ala	Ala
Ala	Ala	Ala	Phe
Ala	Ala	Ala	Ser
Ala	Ala	Ala	Asp
Ala	Ala	Ala	Glu

20

25

30

Thr Leu Asp Lys Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu  
 35 40 45

Arg Ala Gln Gly Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg  
 50 55 60

Val Glu Gly Asp Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val  
 65 70 75 80

Thr Leu Ser Ala Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile  
 85 90 95

Ala Leu Arg Glu Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly  
 100 105 110

Thr Phe Gln Ile Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys  
 115 120 125

Pro Val Ala Val Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln  
 130 135 140

Val Phe Trp Ile Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys  
 145 150 155 160

Ala Ser Ile Val Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser  
 165 170 175

Leu Thr Lys Lys Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr  
 180 185 190

Asp Lys Pro Ile Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg  
 195 200 205

Leu Thr Phe Tyr Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr  
 210 215 220

Pro Arg Arg Ala Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser  
 225 230 235 240

Lys Asn Tyr Val Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val  
 245 250 255

Lys Gln Val Ala Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile  
 260 265 270

Arg Gln Gln Ser Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln  
 275 280 285

Trp Pro Ala Trp Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu  
 290 295 300

Phe Ser Val Asp Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met  
 305 310 315 320

Gly Pro Ser Pro Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys  
 325 330 335

Thr Lys Glu Cys Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro  
 340 345 350

Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys  
 355 360 365

Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His  
 370 375 380

Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val  
 385 390 395 400

Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn  
 405 410 415

Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu  
 420 425 430

Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp  
 435 440 445

Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg  
 450 455 460

Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys  
 465 470 475 480

Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp  
 485 490 495

Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro  
 500 505 510

Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val  
 515 520 525

Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu  
 530 535 540

Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu  
 545 550 555 560

Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met  
 565 570 575

Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly  
 580 585 590

Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro  
 595 600 605

Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser  
 610 615 620

Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met  
 625 630 635 640

Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln  
 645 650 655

Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr  
 660 665 670

Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His  
 675 680 685

Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala  
 690 695 700

Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys  
 705 710 715 720

Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu  
 725 730 735

Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe  
 740 745 750

Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys  
 755 760 765

Leu Cys Gly Gly Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg  
 770 775 780

Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg  
 785 790 795 800

Ala Cys Asn Val His Pro Cys  
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<210> 187

<211> 892

<212> DNA

<213> Homo sapiens

<400> 187

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<210> 188

<211> 1448  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n = A,T,C or G

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 aaaaaaaaaa 1448

<210> 189  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

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 tttcagccag gaaggccaaa atcaagagtg agatgtagaa agttgtaaaa tagaaaaagt 180  
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 ctccaaaata aaaaagtaatg actaaaaaaa aaaaaaaaaa 460

<210> 190  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<400> 190

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 aacacccca tgcgtgc当地 ccaggacccc accagctgcc cagccccc当地 tggcgagtt 240  
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 aagtgcaccc tggagggc当地 caagaaggc当地 cacaagctcc acctggacta catcgggc当地 360  
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<210> 191  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <212> DNA  
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<210> 195  
 <211> 707  
 <212> DNA  
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<210> 196  
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<212> DNA  
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<400> 196

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 <212> DNA  
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<220>  
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<210> 198  
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<400> 198

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Ser Gly Val Ile Val Thr Pro	
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Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro	
35 40 45	
Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu	



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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 207

<211> 787

<212> PRT

<213> Homo sapiens

<400> 207

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 35 40 45  
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 130 135 140  
 Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser Leu Thr Lys Lys  
 145 150 155 160  
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 165 170 175  
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 225 230 235 240  
 Glu Leu Gly Ser Pro Val Lys Met Glu Glu Ile Arg Gln Gln Ser  
 245 250 255  
 Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln Trp Pro Ala Trp  
 260 265 270  
 Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu Phe Ser Val Asp  
 275 280 285  
 Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met Gly Pro Ser Pro  
 290 295 300  
 Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys Thr Lys Glu Cys  
 305 310 315 320  
 Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro Trp Asp Ala Gly  
 325 330 335  
 Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys Pro Thr Ile Pro  
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 Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His Pro Gln Ser Pro  
 355 360 365  
 Phe Tyr Asp Pro Glu Gly Ser Ile Thr Gln Val Ala Arg Val Val

370	375	380
Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp		
385	390	395
Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu		
405	410	415
Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser		
420	425	430
Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg		
435	440	445
Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln		
450	455	460
Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser		
465	470	475
Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser		
485	490	495
Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro		
500	505	510
Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys		
515	520	525
Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp		
530	535	540
Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys		
545	550	555
Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys		
565	570	575
Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr		
580	585	590
Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val		
595	600	605
Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu		
610	615	620
Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys		
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Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln		
645	650	655
Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr		
660	665	670
Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu		
675	680	685
Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro		
690	695	700
Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser		
705	710	715
Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg		
725	730	735
Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly		
740	745	750
Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser		
755	760	765
Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val		
770	775	780
His Pro Cys		
785		

&lt;210&gt; 208

&lt;211&gt; 1362

&lt;212&gt; DNA

<213> Homo sapiens

<400> 208

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 ttctgtatgg gccttctggg gaacagcgcc accattcggg tcaccccagg gctcagaag 180  
 aaaggatact tgcagaagga ggtgacagac cacatggtga gtttggcttgc 240  
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 acgtccagct acaccctgtc ctgcaagctg cacacttcc tcttcgaggc ctgcagctac 360  
 gctacgctgc tgacacgtgct gacactcagc tttgagcgct acatcgccat ctgtcaccc 420  
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 cagccccaga cctccatat gtcacatctg accaacccttcc cagccgctg gaccgtgttc 660  
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 tctgcaagga gaactgagaa gattttctt aacacttttcc agagcggaggc cgagccccag 1260  
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<210> 209

<211> 453

<212> PRT

<213> Homo sapiens

<400> 209

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His	Ser	His	Val	Pro	Glu	Phe	Glu	Val	Ala	Thr	Trp	Ile	Lys	Ile	Thr
20								25					30		
Leu	Ile	Leu	Val	Tyr	Leu	Ile	Ile	Phe	Val	Met	Gly	Leu	Leu	Gly	Asn
35								40					45		
Ser	Ala	Thr	Ile	Arg	Val	Thr	Gln	Val	Leu	Gln	Lys	Lys	Gly	Tyr	Leu
50								55					60		
Gln	Lys	Glu	Val	Thr	Asp	His	Met	Val	Ser	Leu	Ala	Cys	Ser	Asp	Ile
65								70					75		80
Leu	Val	Phe	Leu	Ile	Gly	Met	Pro	Met	Glu	Phe	Tyr	Ser	Ile	Ile	Trp
85								90					95		
Asn	Pro	Leu	Thr	Thr	Ser	Ser	Tyr	Thr	Leu	Ser	Cys	Lys	Leu	His	Thr
100								105					110		
Phe	Leu	Phe	Glu	Ala	Cys	Ser	Tyr	Ala	Thr	Leu	Leu	His	Val	Leu	Thr
115								120					125		
Leu	Ser	Phe	Glu	Arg	Tyr	Ile	Ala	Ile	Cys	His	Pro	Phe	Arg	Tyr	Lys
130								135					140		
Ala	Val	Ser	Gly	Pro	Cys	Gln	Val	Lys	Leu	Leu	Ile	Gly	Phe	Val	Trp
145								150					155		160
Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Thr
165								170					175		
Glu	Tyr	Pro	Leu	Val	Asn	Val	Pro	Ser	His	Arg	Gly	Leu	Thr	Cys	Asn
180								185					190		

Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser  
 195 200 205  
 Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile  
 210 215 220  
 Phe Gly Ala Phe Val Val Tyr Leu Val Val Leu Leu Ser Val Ala Phe  
 225 230 235 240  
 Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser  
 245 250 255  
 Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu  
 260 265 270  
 Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile  
 275 280 285  
 Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile  
 290 295 300  
 Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg  
 305 310 315 320  
 Ala Tyr Met Ile Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser  
 325 330 335  
 Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg  
 340 345 350  
 Arg Val Phe Val Gln Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala  
 355 360 365  
 Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser  
 370 375 380  
 Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser  
 385 390 395 400  
 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu  
 405 410 415  
 Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu  
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 Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe  
 435 440 445  
 Gln Glu His Glu Val  
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<210> 210  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(625)  
 <223> n = A,T,C or G

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 cagcgacagg cggcagcaca gcacctgcac gaacacccgc cggaaactgct gcgaggacac 180  
 cgtgtacagg agcggttga tgaccgagct gaggttagaaa aacgtctccg agaaggggag 240  
 gaggatcatg tacgcccggaa agtaggacct cgtccagtcg tgcttgggtt tggccgcagc 300  
 catgatcctc cgaatctgggt tgggcattca gcataccggcc aatgtcacaat caatcagccc 360  
 tgggcagaca cgagcaggag ggagagacag agaaaaagaaa aacacacgcat gagaacacag 420  
 taaatgaata aaaccataaa atatttggcc cctctgttct gtgtttactg gccaggaaat 480  
 ggtaccaatt tttcagttt ggacttgaca gcttcttttgc ccacaagcaa gagagaattt 540  
 aacactgttt caaaccgggg ggagttggct gtgttaaaga aagaccatta aatgcttttag 600  
 acagtgnaaa aaaaaaaaaaaa aaaaa 625

<210> 211  
<211> 1619  
<212> DNA  
<213> *Homo sapiens*

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ggtgaacgtt		caagacatgt	gtcagaaaaga	agtgtatggag	caaagtgcgc	ggatcatgtt		180
ccgcaagtcc		tgtgcatcat	cagcggcctg	tctcatcgcc	tctgcccgggt	accagtccct		240
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cagttcttt		tgccacaaggc	aagagagaat	ttaacactgt	ttcaaaacccg	ggggagttgg		1560
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<210> 212
<211> 1010
<212> DNA
<213> Homo sapiens
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gacatgtgtc agaaaagaagt gatggagcaa agtgcgggaa tcatgtaccg caagtccgt 420
gcatcatcag cggcctgtct catgcctct gccgggttacc agtccttctg ctccccagg 480
aaactgaact cagtttgcatt cagctgtgc aacacccctc tttgttaaccg ggccaaggcc 540
caagaaaagg ggaagttctg cctcgccct caggccaggg ctccgaacca ccattctgtc 600
cctcaaatta agccctactt ctggcacac tgctggaaagc ttgaagggg aaggcaccca 660
ctcctgcata gtccatccag gcctcgcccc acacacccca ctccctgaga gacacgccc 720
agggagacca aaaaccggaa taggcaacgg acccccagac accacaaggg acccgaggac 780
aaagacgcag acaactcgcg aaagccaccc agaataacaa cggcccgaaac acagatataa 840
cgcacgagcc ccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900
accqaqaaca aqcaaaaaca qcggggcgtg actagcgaga caccacctgc acacaacacc 960

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acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa 1010  
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 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<400> 213  
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 agctacgacc gtcgtctccg cggcagcgcg gcgggccccca gcagcctcg cagccacagc 180  
 cgctgcagcc gggcagcct ccgctgctgt cgccctctt gatgcgcctt ccctctcccg 240  
 gccccggac tccgggagaa tgggggtcct aggcatcgcg gcaacttttt gcggattgtt 300  
 cttgcttcca ggcttgcgc tgcaaattca gtgctaccag tggtaagaat tccagctgaa 360  
 caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420  
 tgagaaagaa gtgatggagc aaagtgcgg gatcatgtac cgcaagtctt gtgcattgtc 480

<210> 214  
 <211> 1897  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(1897)  
 <223> n = A, T, C or G

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 gagaacacag taaatgataa aaaccataaaa atatctggatcc cctctgttctt gtgcattactg 1740

gccagggaaat ggtaccaatt tttcagtgtt ggacttgaca gcttcctttg ccacaagcaa 1800  
 gagagaattt aacactgttt caaaccgggg ggagttggct gtgttaaaga aagaccattta 1860  
 aatgctttag acagtgtaaa aaaaaaaaaa aaaaaaaaaa 1897

<210> 215  
 <211> 141  
 <212> PRT  
 <213> Homo sapiens

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 Leu Asn Asn Asp Cys Ser Ser Pro Glu Phe Ile Val Asn Cys Thr Val  
 35 40 45  
 Asn Val Gln Asp Met Cys Gln Lys Glu Val Met Glu Gln Ser Ala Gly  
 50 55 60  
 Ile Met Tyr Arg Lys Ser Cys Ala Ser Ser Ala Ala Cys Leu Ile Ala  
 65 70 75 80  
 Ser Ala Gly Tyr Gln Ser Phe Cys Ser Pro Gly Lys Leu Asn Ser Val  
 85 90 95  
 Cys Ile Ser Cys Cys Asn Thr Pro Leu Cys Asn Gly Pro Arg Pro Lys  
 100 105 110  
 Lys Arg Gly Ser Ser Ala Ser Ala Leu Arg Pro Gly Leu Arg Thr Thr  
 115 120 125  
 Ile Leu Phe Leu Lys Leu Ala Leu Phe Ser Ala His Cys  
 130 135 140